

Fig. 1

Prior Art

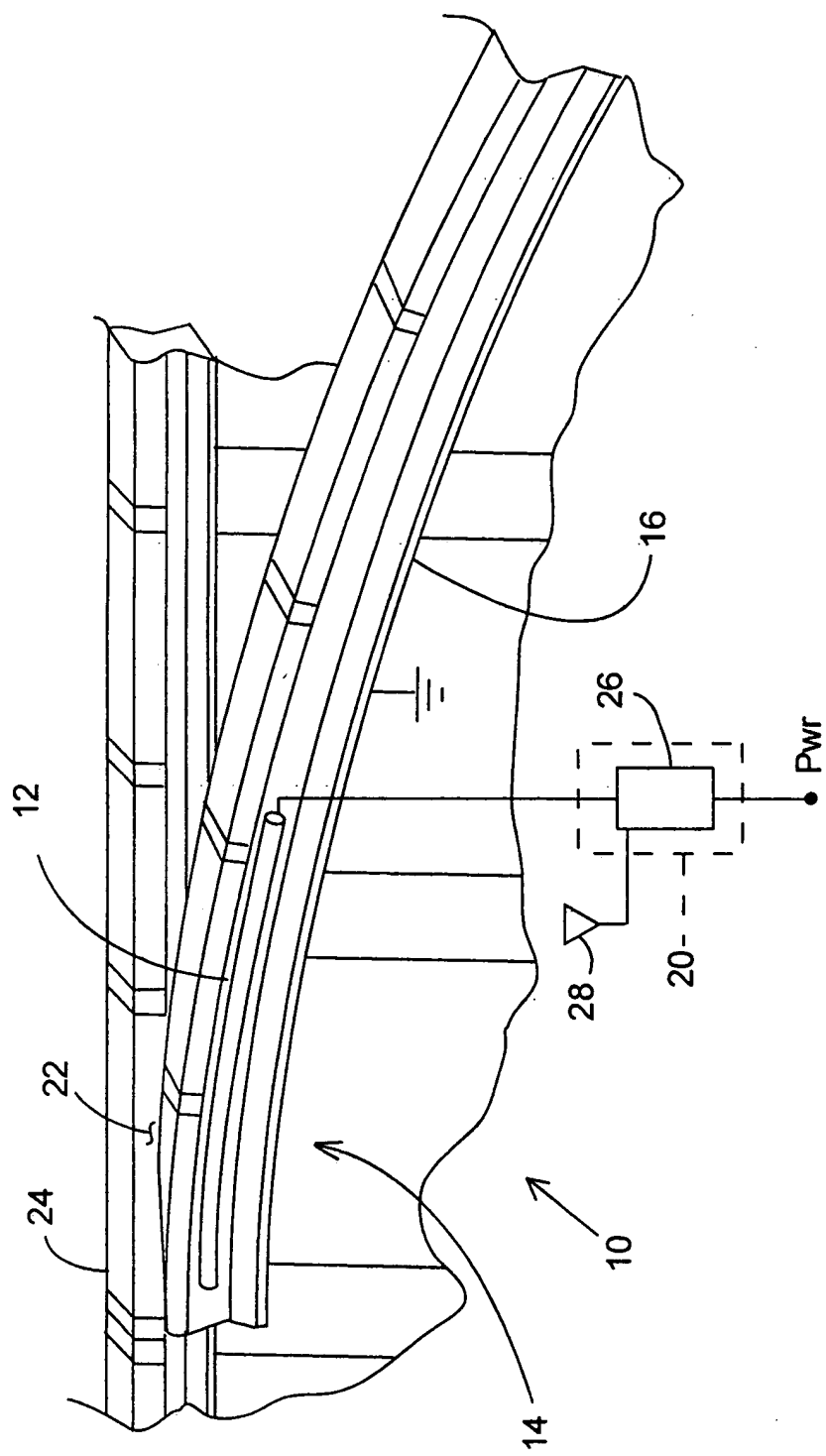


Fig. 2

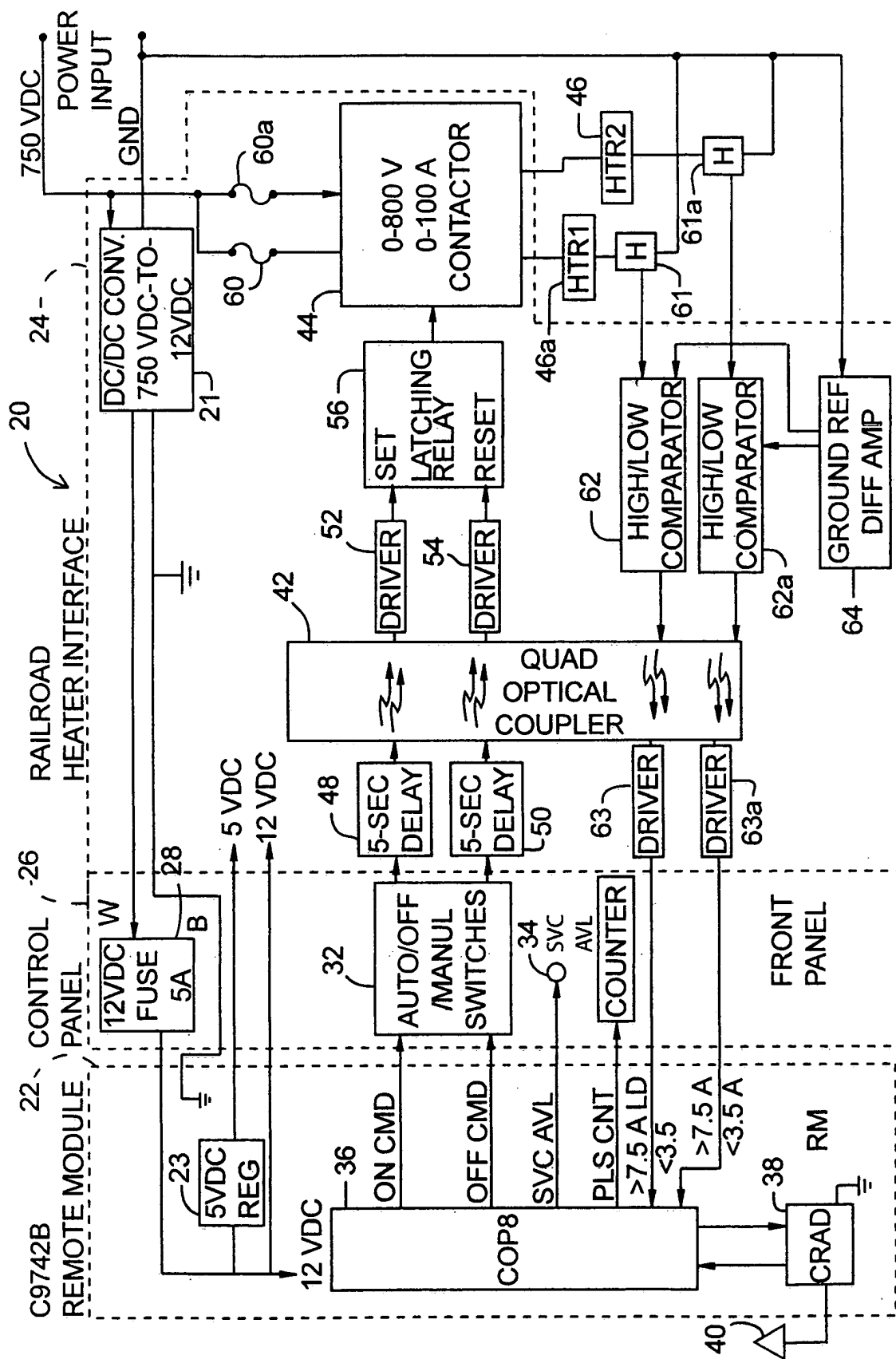


Fig. 3

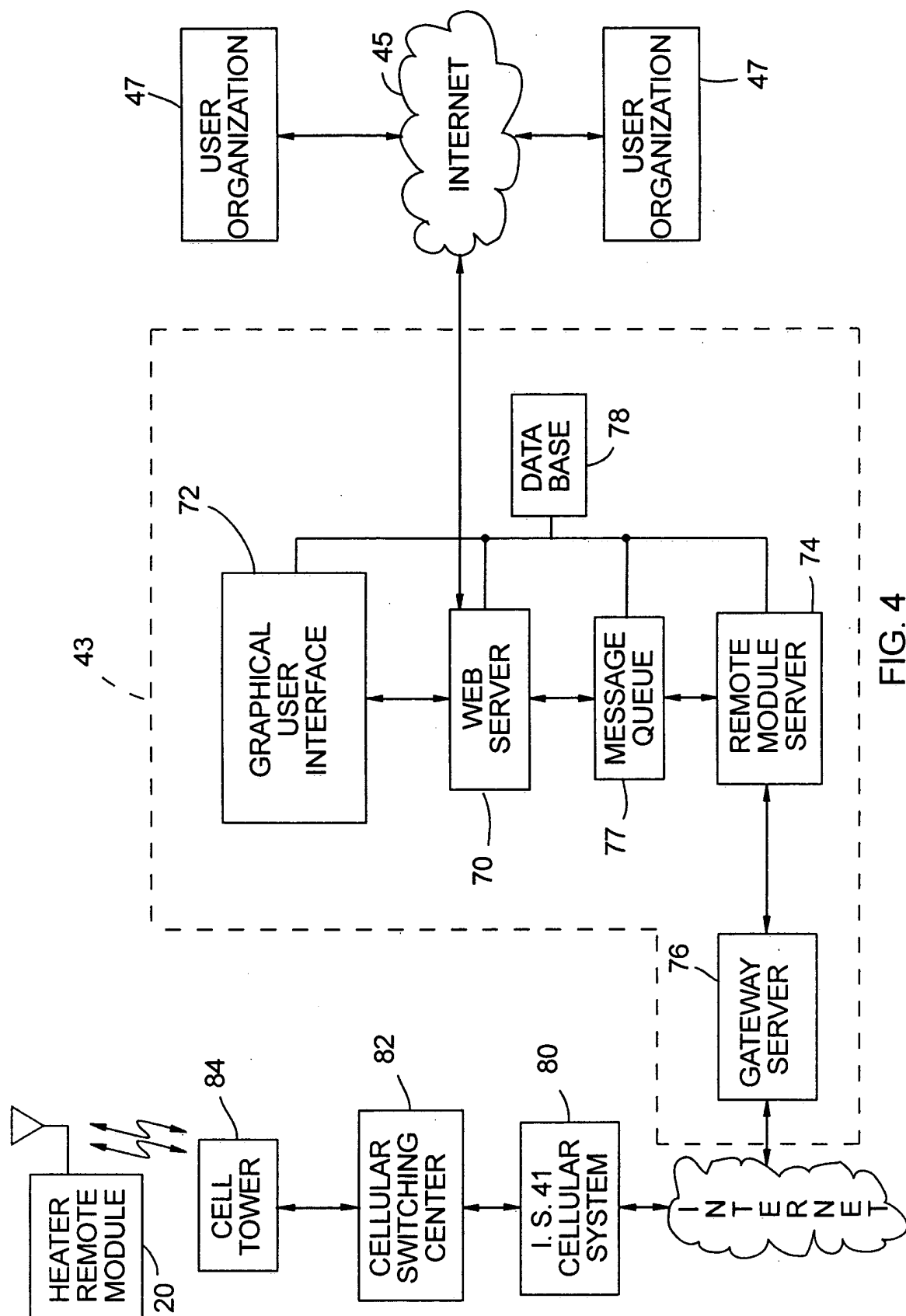


FIG. 4

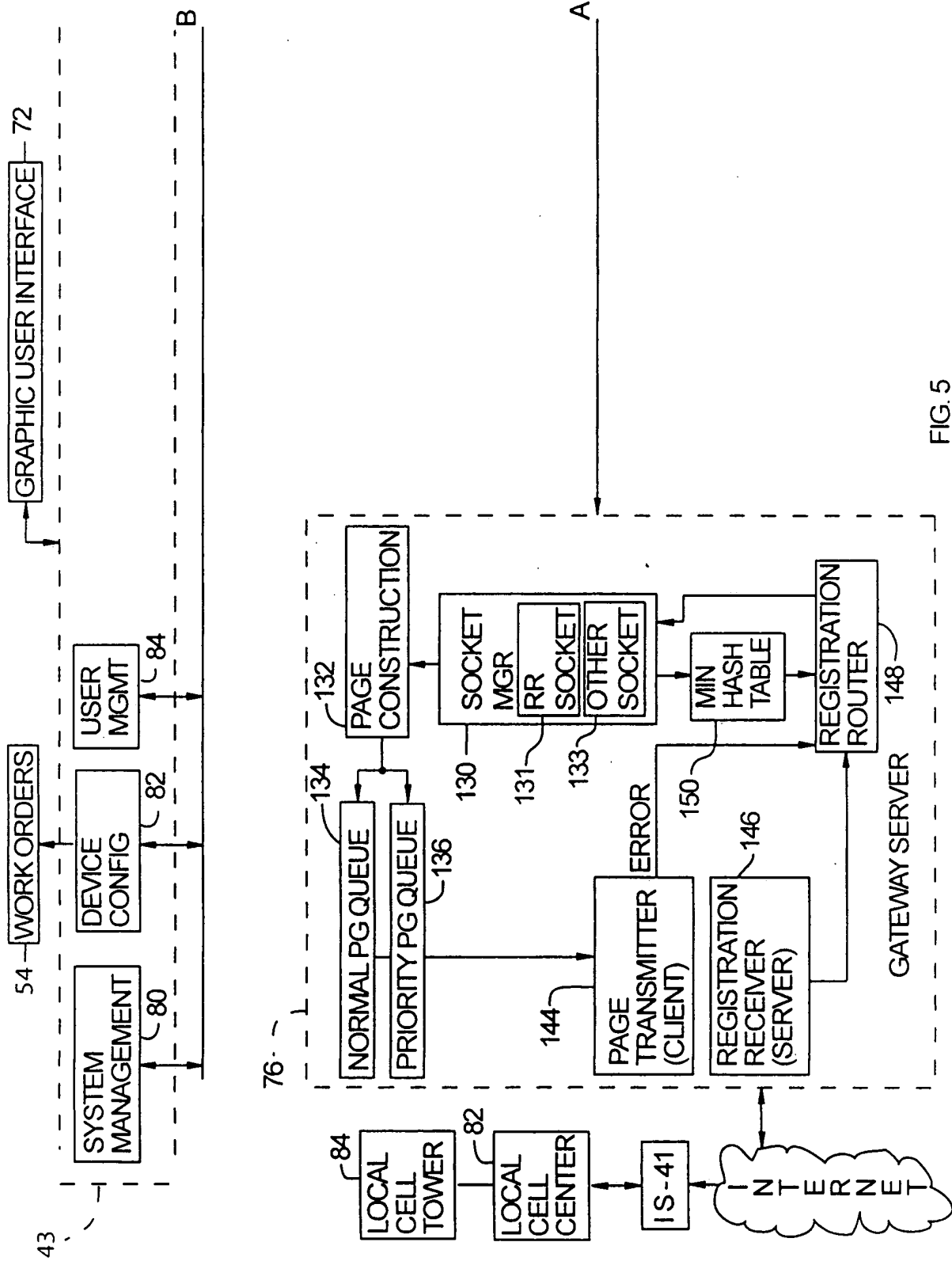


FIG. 5

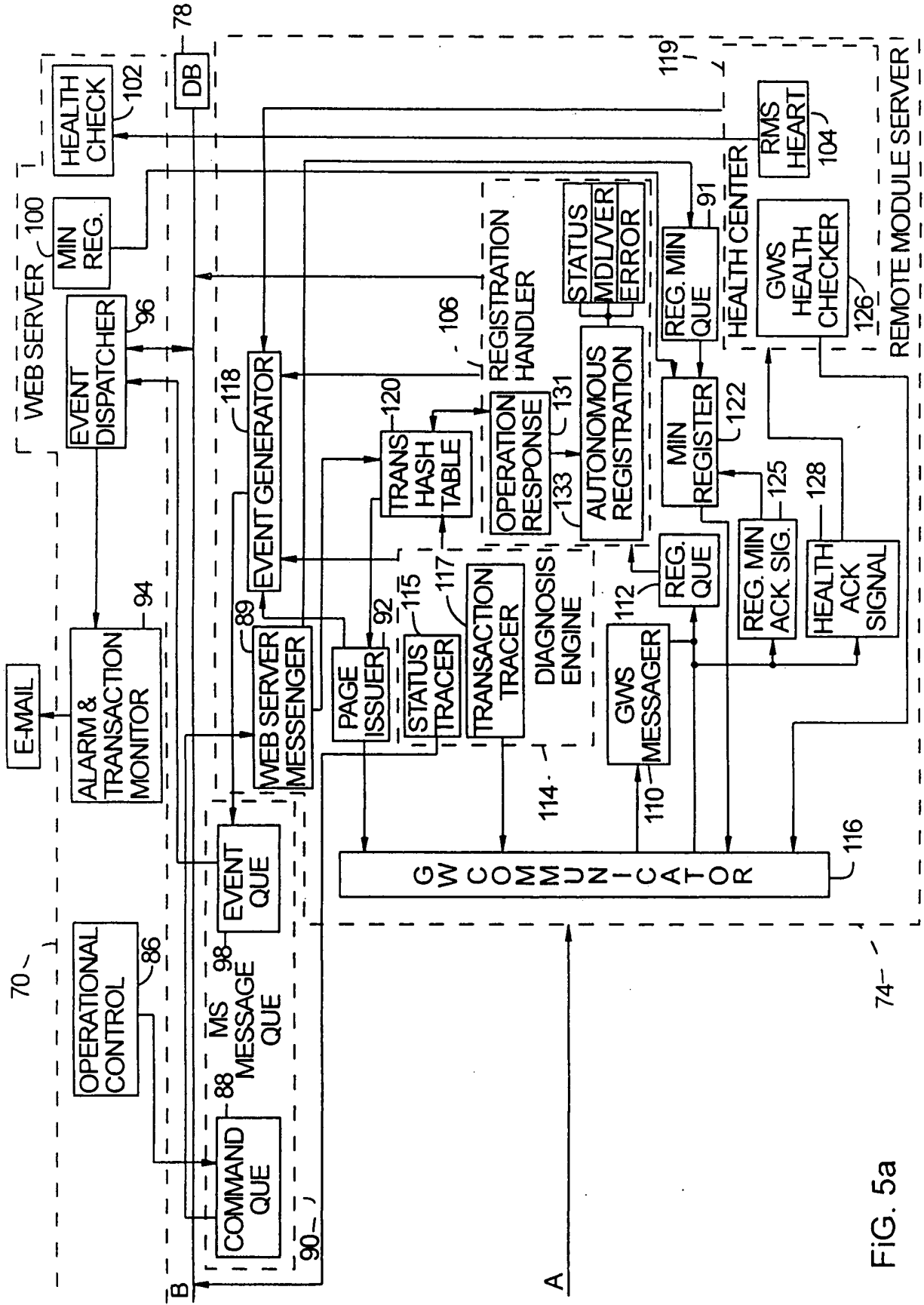


FIG. 5a

<u>Main Menu</u>	Welcome Jade Sign Out
Configuration	
Yard Configuration	
Melter Configuration	
<u>Control & Monitor</u>	
User Account	
Change My Password	

Fig. 6

Yard Configuration

Check All

Yard ID

Yard Name

GroupMin #

Location

LocaleID

Melters

Edit

☐

01

35-07844579

1391049667

Edision Line 3#

Locale1

Melters

Control

Edit

☐

02

35-07844580

1391049668

Edision Line 5#

Locale2

Melters

Control

Edit

☐

02

35-07844934

1391049669

Edision Line 8#

Locale1

Melters

Control

Add Yard

Delete Yard

Yard Configuration

Check All

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Control

Edit

☐

02

35-07844934

1391049669

Edision Line 8#

Locale1

Melters

Control

Add Yard

Delete Yard

Fig. 6a

<div>Add Yard</div>		<div>Main Menu</div>	
<div>Welcome Jade</div>		<div><u>Sign Out</u></div>	
<div>Yard Name</div>	<div></div>		
<div>Group Min #</div>	<div></div>	<div>Locale</div>	<div></div>
<div>Location</div>	<div></div>		
<div>Emergency Email</div>	<div></div>		
<div>Save Yard</div>		<div>Save & Add Another</div>	<div>Cancel</div>

Fig. 6c

<div>Add Melter</div>		Yard Name <div>XXXXXX</div>		Welcome Jade Sign Out		<div>Main Menu</div>	
Melter #	<div></div>	RM Min#	<div></div>				
Melter Serial #	<div></div>	RM Serial #	<div></div>				
Description	<div></div>						
<div>Status Setting<div><div><div></div> Activate</div><div><div></div> Deactivate</div></div></div>							
<div>Save Melter</div>		<div>Save & Add Another</div>				<div>Cancel</div>	

Fig. 6d

<div>Main Control</div>	<div>Main Menu</div> <div>Welcome Jade Sign Out</div>
Please Select Yard	
<div>Yard 1</div> <div>Yard 2</div> <div>Yard 3</div> <div>Yard 4</div>	

Fig. 6e

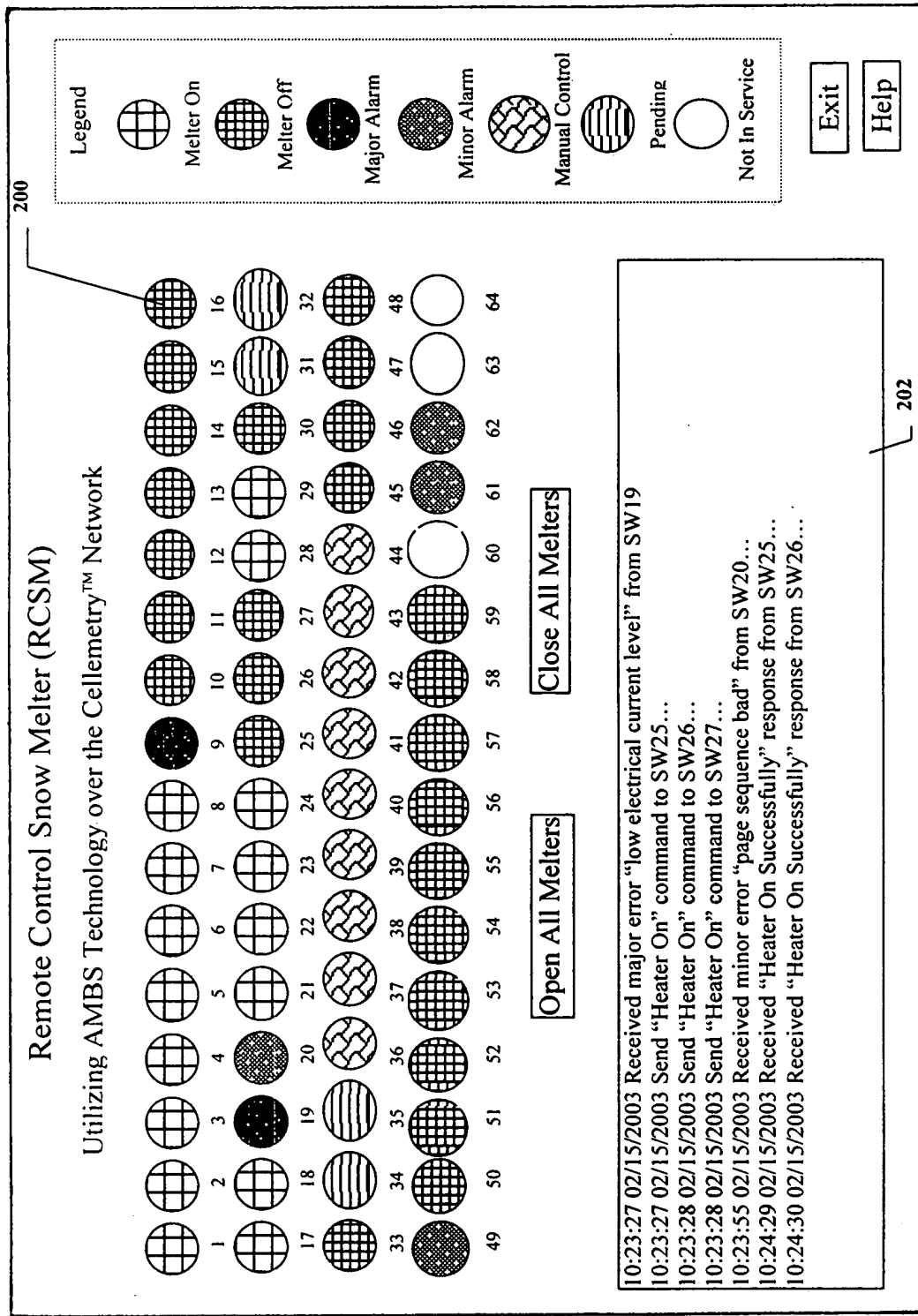
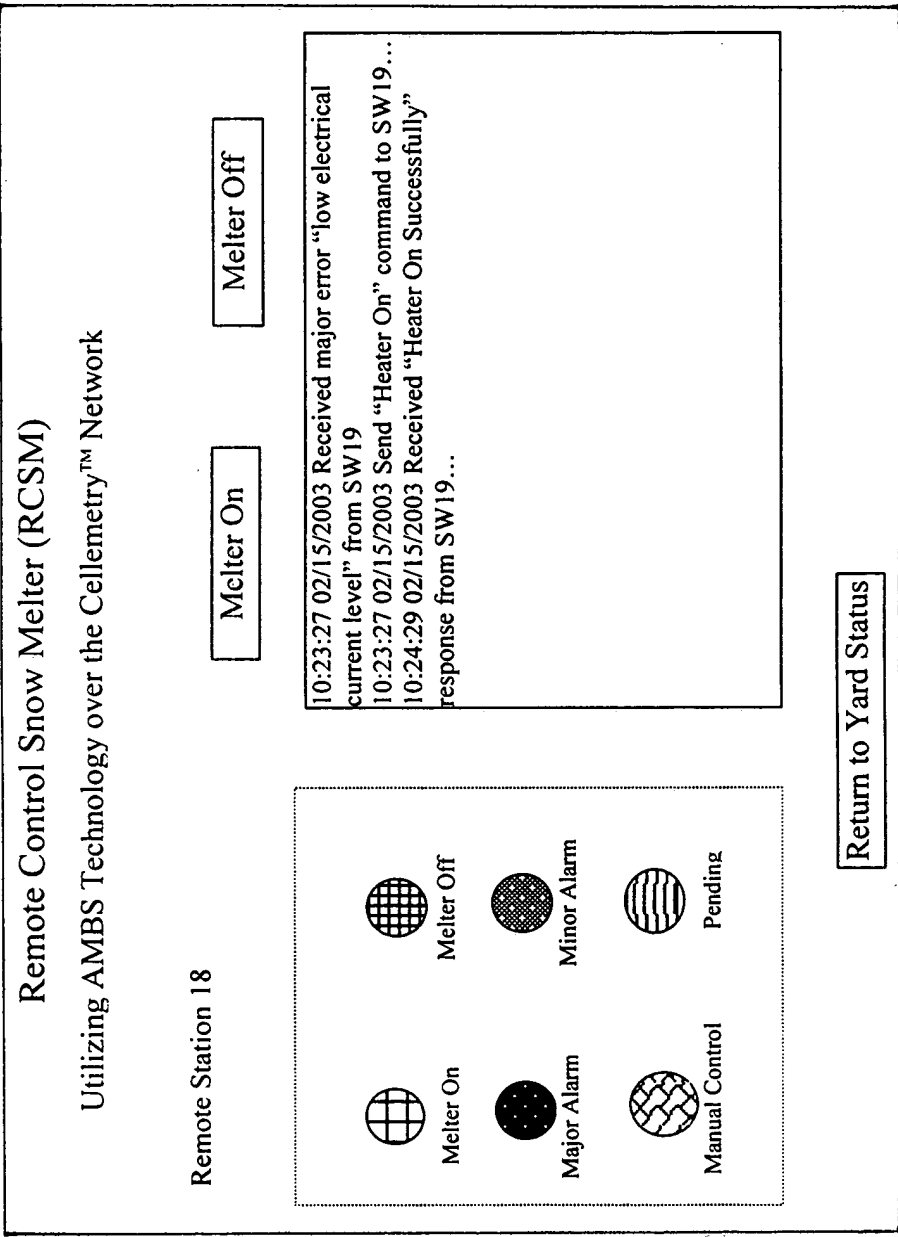


FIG. 7



Remote Control Snow Melter (RCSM)
Utilizing AMBS Technology over the Cellemetry Network

Remote Station 18

Melter On

Melter Off

21:05:55 02/15/2003 Send "Melter On"
command to Melterl8 ...
21:09:54 02/15/2003 Receive "Melter On
Successfully" Response From Melterl8

Major Fault

20:23:27 02/15/2003
low electrical current level !

OK

206

Return to Yard Status

Fig. 7b

Main Menu
Welcome Jade Sign Out

User account

Check All

	User Name	Full Name	Department	Privilege	Phone	Address	Zip/Postal
Edit <input type="checkbox"/>	Tom		NJ	Transport Admin	7323814203		Y
Edit <input type="checkbox"/>	Mike		NJ	Transport Admin	Admin		N
Edit <input type="checkbox"/>	George		NJ	Transport Operator	Operator		Y

Add User Account

Delete User Account

Disable Password

Fig. 7c

<div>User account</div>		<div>Main User Account Menu</div>	
		<div>Main Menu</div>	
		<div>Welcome Jade Sign Out</div>	
User Name		Phone	
Full Name		Department	
E-mail			
Address		Zip/Postal	
Privilege Setting			
<div><input type="radio"/> Administrator</div>		<div><input type="radio"/> Operator</div>	
<div>Save Account</div>		<div>Save & Add Another</div>	
		<div>Cancel</div>	

Fig. 7d

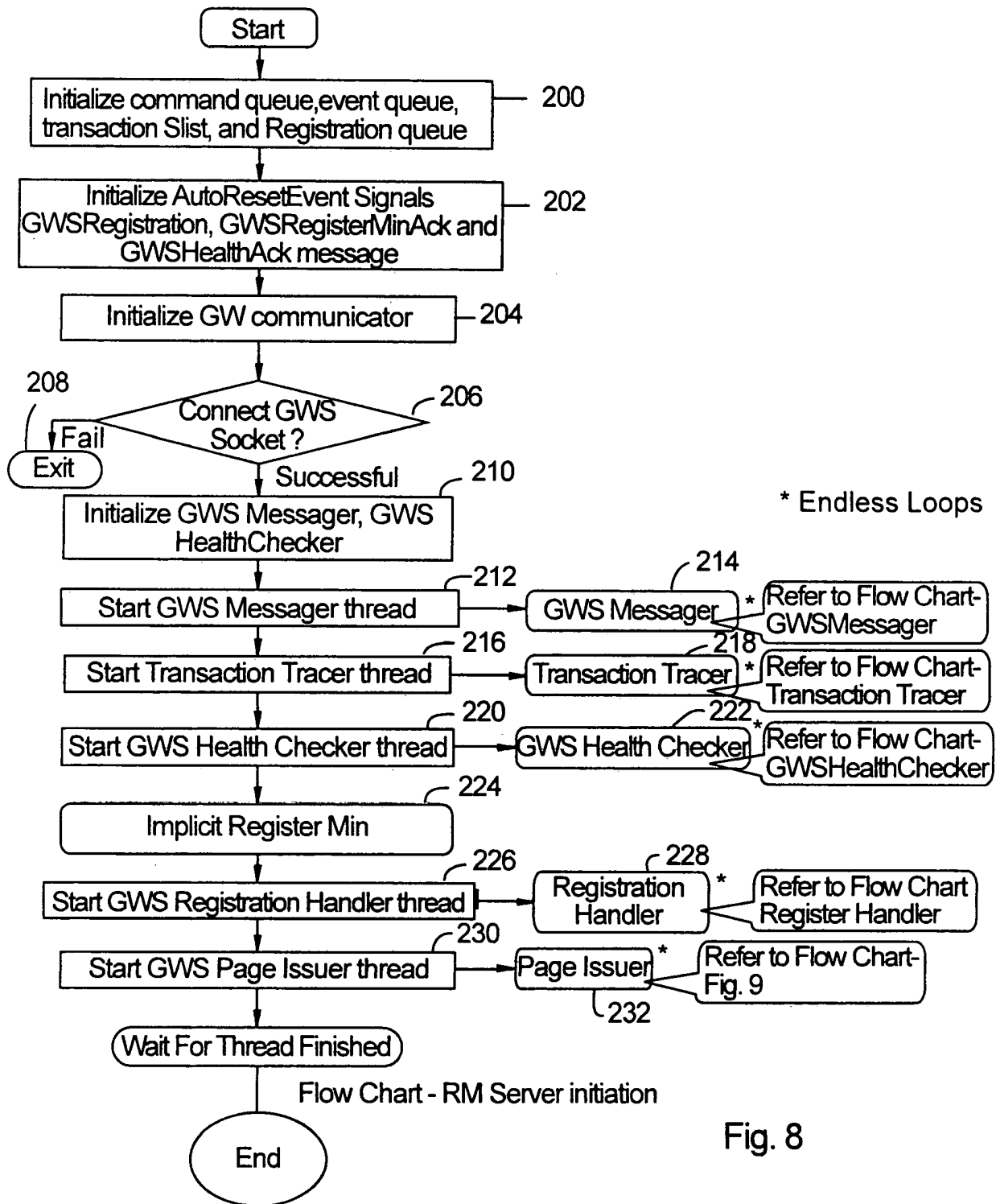


Fig. 8

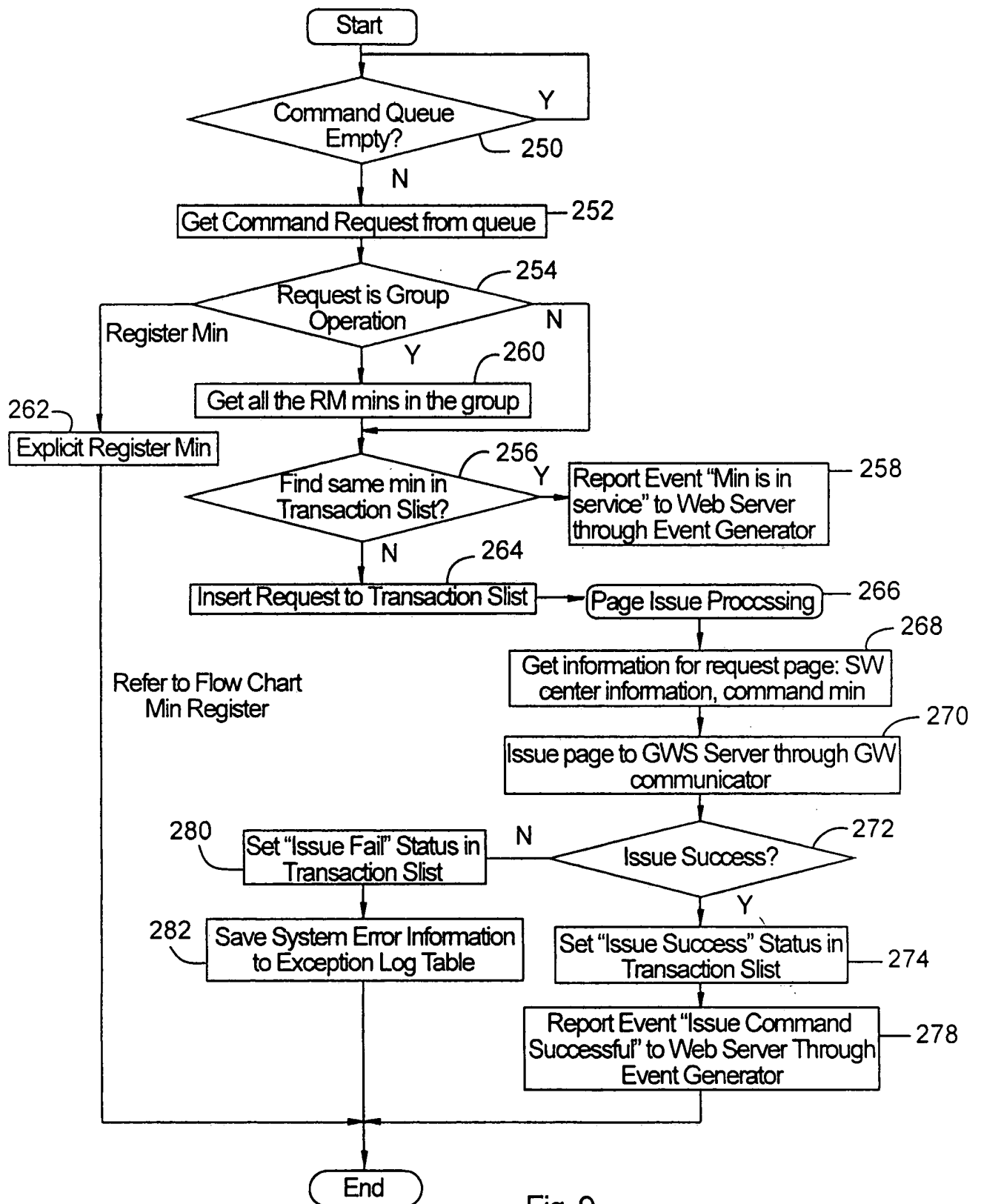


Fig. 9

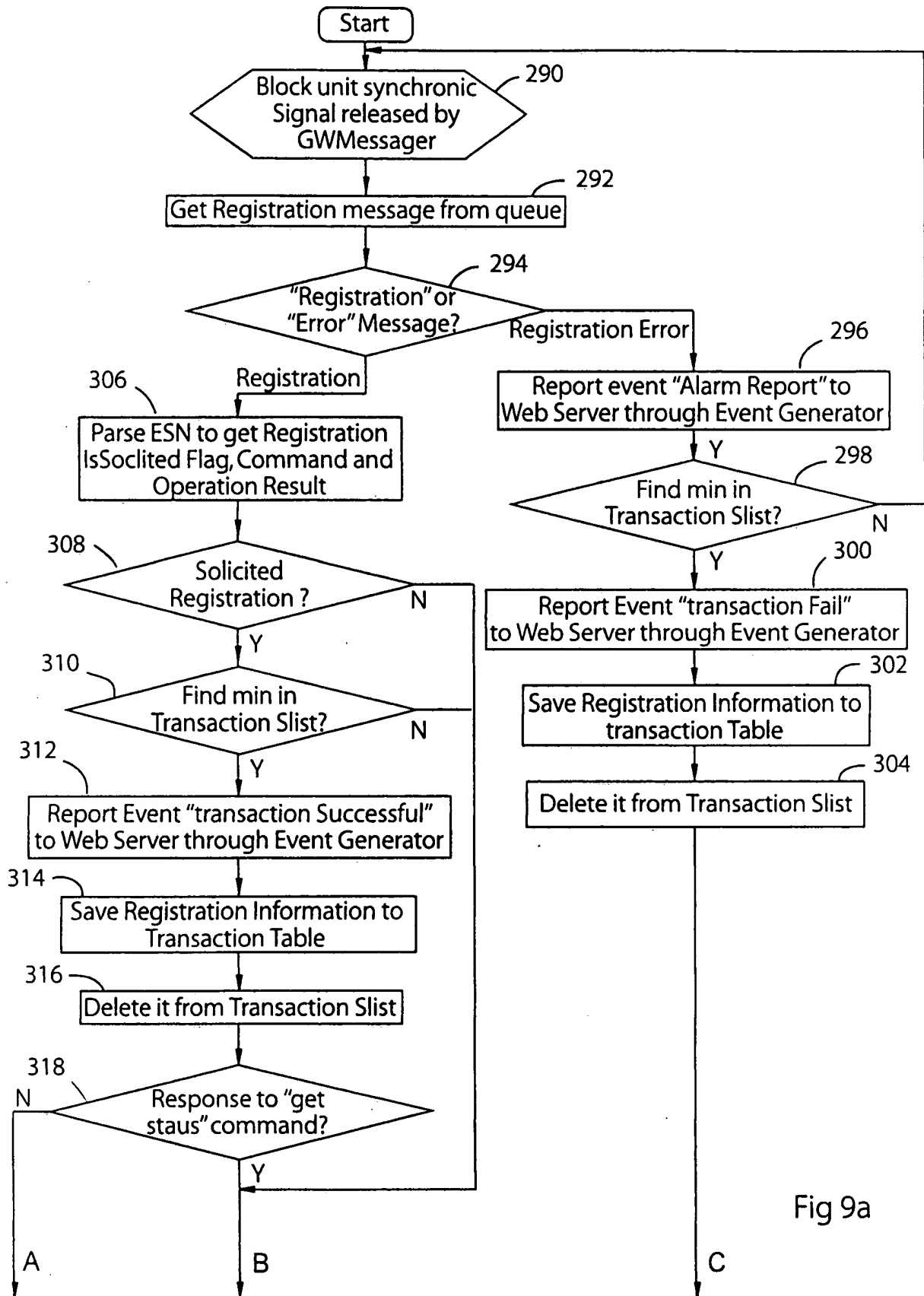


Fig 9a

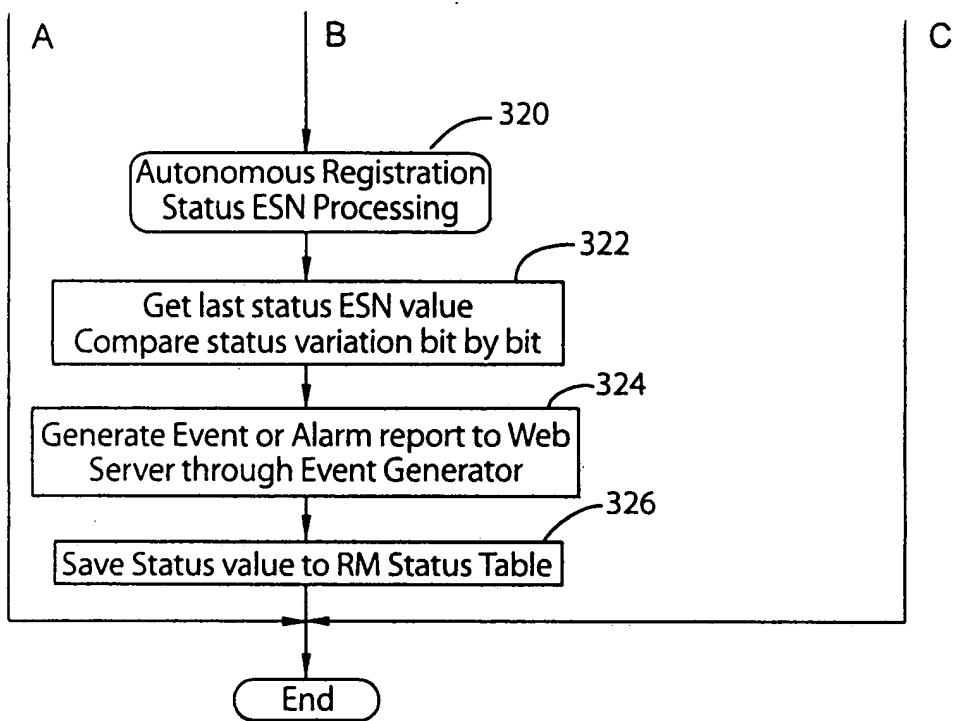


Fig. 9aa

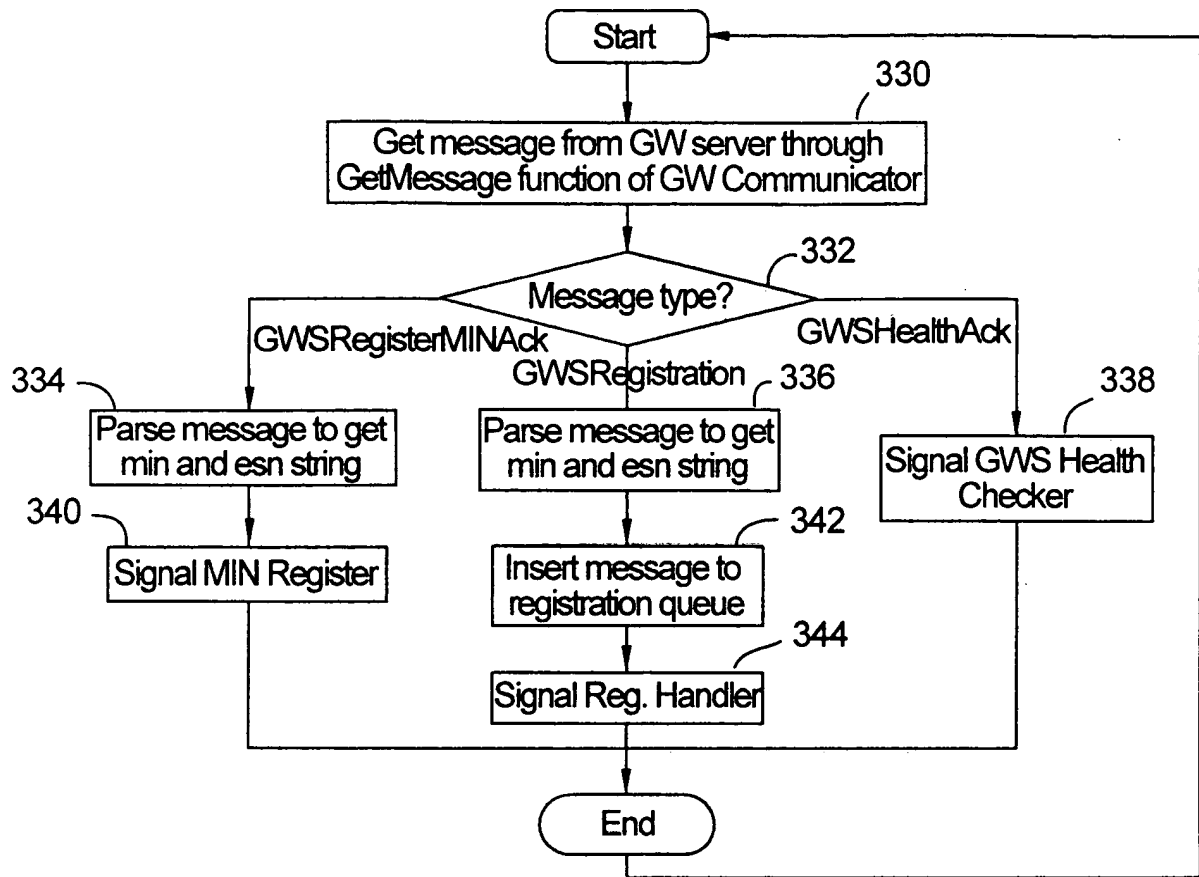


Fig. 9b

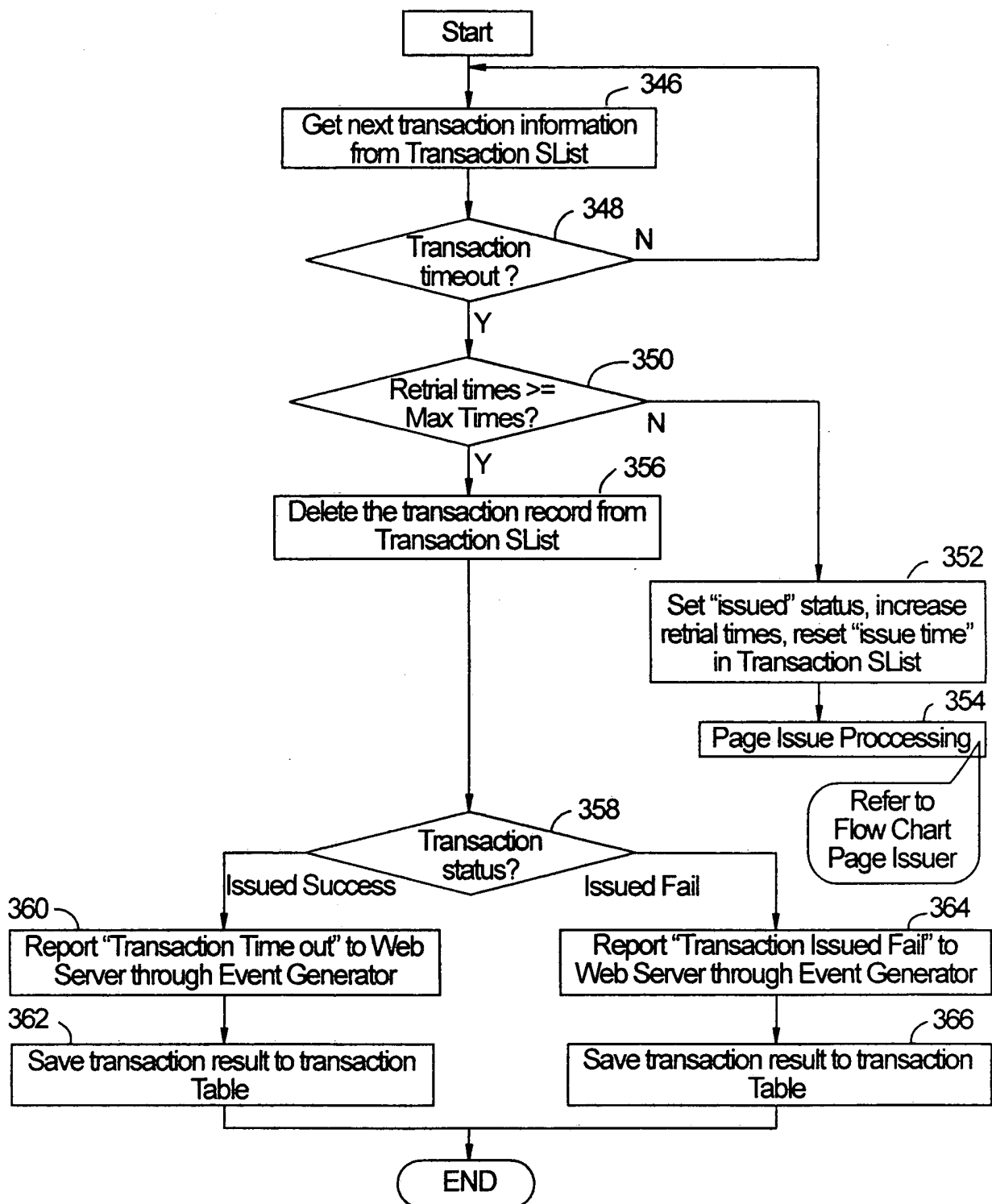


Fig. 9c

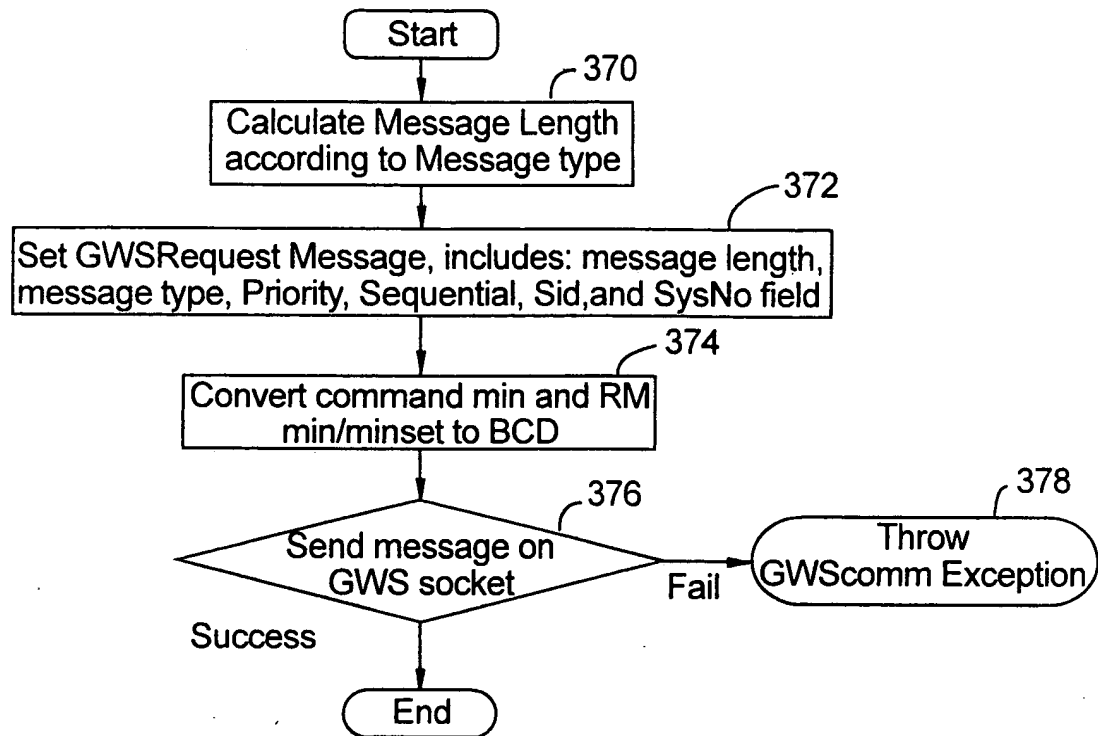


Fig. 9d

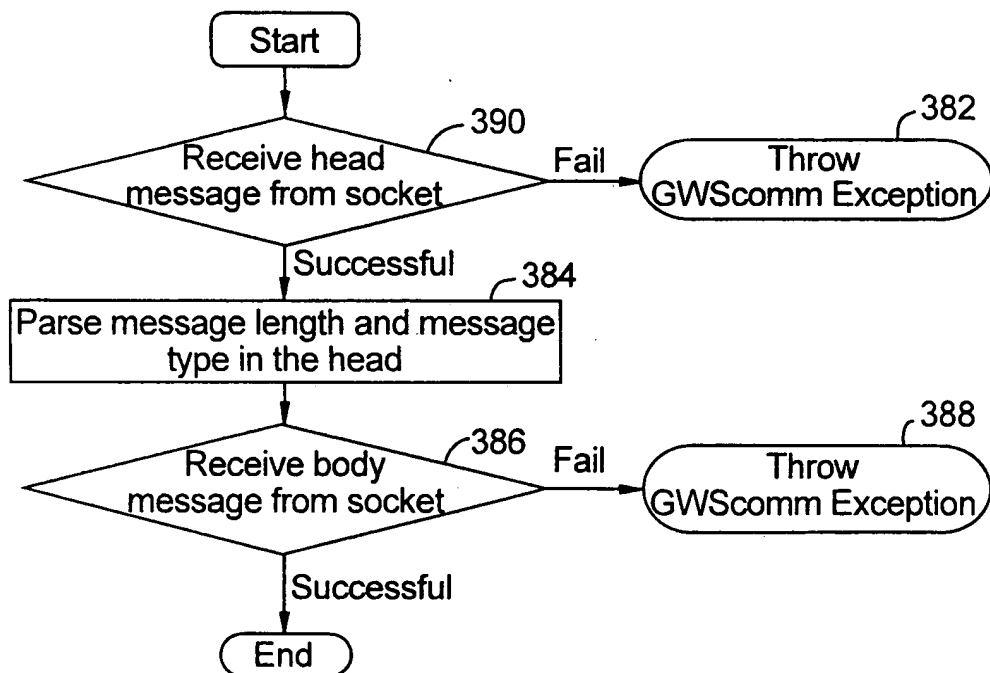


Fig. 9e

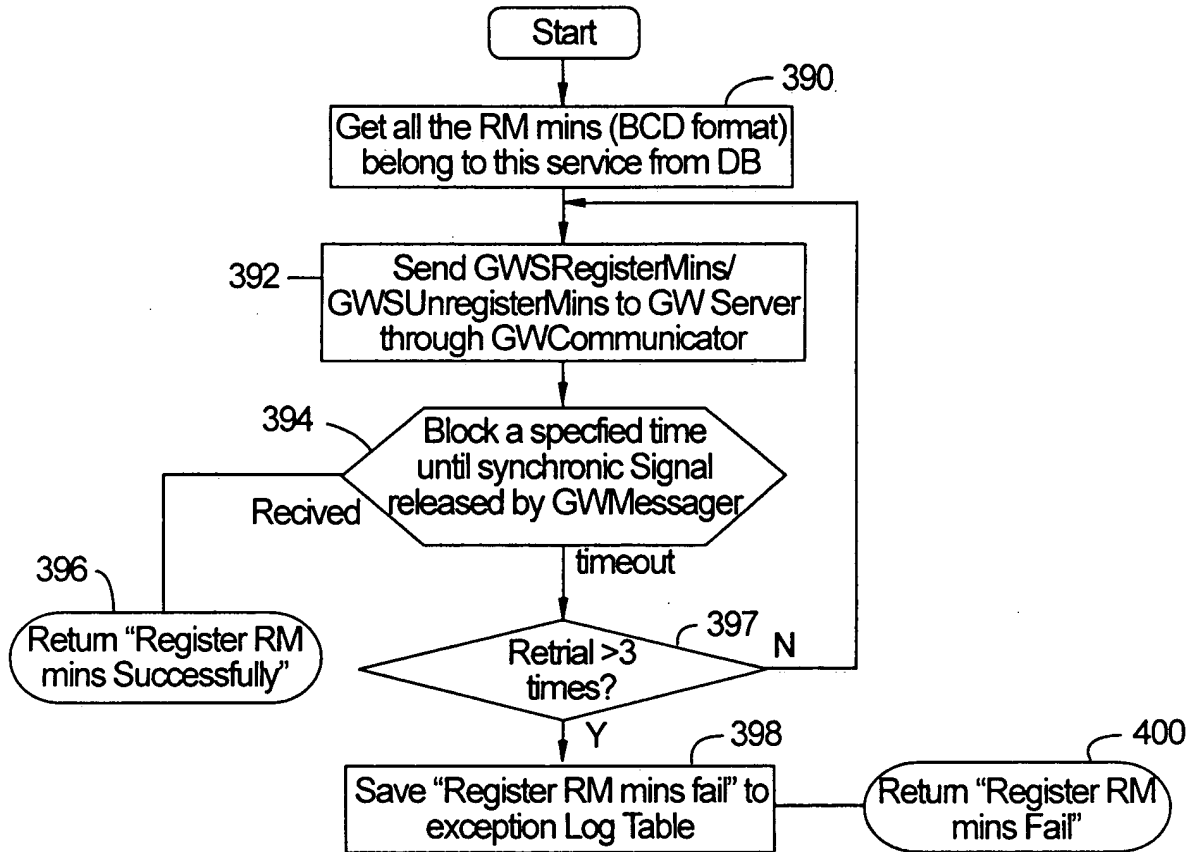


Fig. 9f

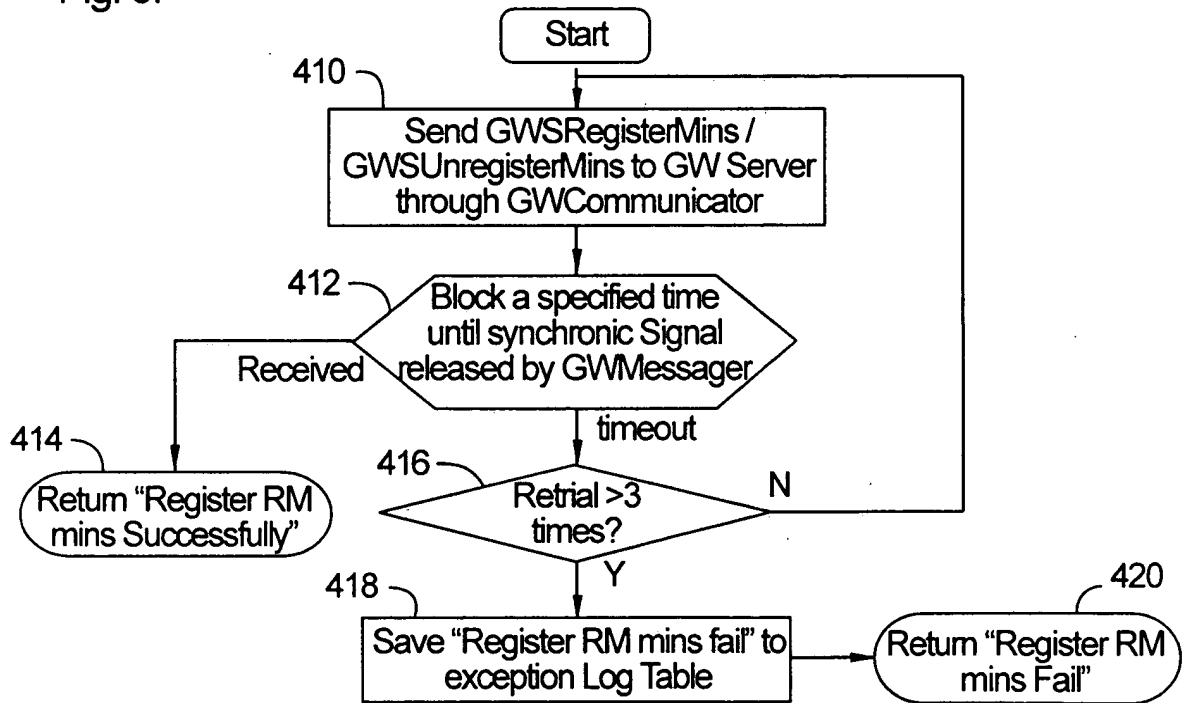


Fig. 9g

Flow Chart -Explicit Register Min Object